

Spectracide
Chlorpyrifos 2EC
 24.1% Insect Spray Concentrate

Chemsico
 Division of United Industries Corp
 P.O. Box 15842
 St. Louis, MO 63114

Hazardous Material Identification System - (HMIS)

HEALTH - 1

REACTIVITY - 0

FLAMMABILITY - 2

PERSONAL - Eye Protection

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

I Trade Name: SpectracidePRO Chlorpyrifos 24.1% Insect Spray Concentrate

Product Type: Liquid Dilutable Concentrate Insecticide

Product Item Number: 30265

Formula Code Number:

EPA Registration Number

Manufacturer

Emergency Telephone No.

28293-200-8845

Chemsico
 8494 Chapin Industrial Drive
 St. Louis, MO 63114

For Chemical Emergency: 1-800-633-2873
For Information: 1-877-773-2776
Prepared by: C. A. Duckworth
Date Prepared: January 18, 1998

II Hazardous Ingredients/Identity Information

Chemical	ACGIH	OSHA PEL	OTHER STEL	% W/W
Chlorpyrifos				
Synonym: Dursban				
0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate				
CAS #00291-88-2	0.2 mg/m ³	NA	0.6 mg/m ³	24.10
Hydrocarbon Solvent*				70.10

*Contains aliphatic and aromatic petroleum solvents

III Physical and Chemical Characteristics

Appearance and Odor	Clear yellow liquid with a solvent-type odor
Boiling Point	ND
Melting Point	NA
Vapor Pressure	49mm Hg at 240°C
Specific Gravity	0.974
Vapor Density	ND
% Volatile (by vol.)	ND
Solubility in Water	emulsifiable
Evaporation Rate	ND

IV Fire and Explosion Hazard Data

Flash Point	102°F
Flammable Limits	LEL 1% UEL 6% This product is combustible. Do not store near heat or open flame.
Autoignition Temp	N/A
Fire Extinguishing Media	Foam, CO ₂ , Dry Chemical
Decomposition Temp	N/A
Special Fire-Fighting Procedures	Wear positive-pressure, self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Foam fire-extinguishing system is preferred because uncontrolled water can spread possible contamination. Toxic irritating gases may be formed under fire conditions. Rapid decomposition above 320-392°F (160-200°C) can occur. Violent rupture of containers due to over pressurization may occur at temperatures generated during a fire.	

V Reactivity Data

Stability	Stable
Polymerization	Will not occur
Conditions to Avoid	None
Incompatible Materials	N/A
Hazardous Decomposition or Byproducts	N/A

VI Health Hazard Data

Ingestion (Swallowing): Harmful if swallowed. **First Aid:** Call a physician or Poison Control Center immediately. Do not induce vomiting. Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person.

Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure. Atropine, by injection only, is the preferable antidote. Oxides such as 2-PAM/protopam, may be therapeutic if used early, however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Skin Contact: Excessive absorption through skin may be fatal. **First Aid:** Wash with plenty of soap and warm water. Get medical attention if irritation persists.

Eye Contact: Causes substantial, but temporary, eye injury. Avoid contact with eyes. **First Aid:** Immediately wash with plenty of soap and warm water. Get medical attention.

Inhalation Toxicity: Avoid breathing vapor and spray mist. **First Aid:** Remove victim to fresh air. If symptoms of cholinesterase inhibition appear and get medical attention immediately.

Ingredients listed by NTP, OSHA or IARC or Carcinogens or potential carcinogens: None.

VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Remove ignition sources. Do not allow product to contact skin. Use absorbent material to collect and contain for salvage or disposal.

Waste Disposal: Do not reuse empty container. Wrap in several layers of newspaper and dispose of in trash.

Handling & Storage Precautions: Store in original container in a locked storage area out of the reach of children and pets. Do not store above 100°F for extended periods of time.

VIII Control Measures

Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.

IX Transportation Data

DOT Shipping Name: Consumer Commodity
DOT Hazard Class: ORM-D

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